

SAIL-M12BW-12S2.0U

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

| | |
|------------|---|
| Version | Sensor/actuator line, M12, Number of poles : 12, 2 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1424280200 |
| Type | SAIL-M12BW-12S2.0U |
| GTIN (EAN) | 4050118465471 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



| | |
|-------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

Dimensions and weights

| | |
|------------|-------|
| Net weight | 115 g |
|------------|-------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

Technical specifications for cable

| | | | |
|--|--|--------------------------------------|-----------------------|
| Cable length | 2 m | Sheathing colour | black |
| Resistance to oils | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 0.14 mm ² | Shielded | Yes |
| Halogen | No | Insulation | PP |
| Acceleration | 5 m/s ² | Bending radius, min., moving | 12 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Bending cycles | 1 mill. |
| Speed | 100 m/min | Sheath material | PUR |
| Configurable cable length | No | Hydrolysis and microbe resistant | Yes |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Irradiation crosslinked | No | Drain wire integrated | No |
| Colour coding | black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue | Torsion resistance | 0 °/m |
| Temperature range, stationary | -40...80 °C | Temperature range, moving | -30...80 °C |
| Number of poles | 12 | Outside diameter | 6 mm ± 0.2 mm |

General technical data

| | | | |
|------------------------|-----------------------------------|------------------------------|----------------|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Socket, angled | Housing main material | TPU |
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
| Nominal current | 1.5 A | AF size | 13 mm |
| Protection degree | IP67, when screwed in, IP65, IP66 | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |
| Threaded ring material | Diecast zinc | Temperature range of housing | -40 ... +85 °C |
| Tightening torque | M12: 1.0 Nm | | |

Electrical properties

| | | | |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
|-----------------------|-------|-----------------|------|

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Technical data**General standards**

Certificate no. (cULus) E307231

Plug, left

Plug left M12, A-coded, IP67,
female contact, angled
90°, Plastic, shielded

Plug, right

Plug right free conductor end

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001855 | ETIM 9.0 | EC001855 |
| ETIM 10.0 | EC001855 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 | | |

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Drawings

Dimensioned drawing



Pole scheme



Socket

Wiring diagram

The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

